rd300.dgn 31-DEC-2009

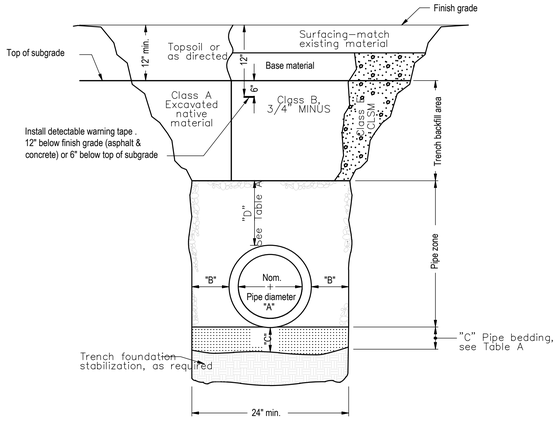
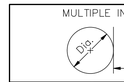


TABLE A

"A" (in)	"B" (in)	"C" (in)	"D" (in)
4	10	4	8
6	10	4	8
8	10	6	10
10	10	6	10
12	12	6	10
15	12	6	10
18	16	6	12
21	16	6	12
24	18	6	12
30	18	6	12
36	24	6	14
42	24	6	14
48	24	6	14
54	24	6	14
60	24	6	14
66	24	6	14
72	24	6	14

For pipes over 72" diameter, see general note 3.

MULTIPLE INSTALLATIONS



DIAMETER	MIN. SPACE BETWEEN PIPES
Up to 48"	24"
48" to 72"	One half (?) dia. of pipe

1 C4 TYPICAL UTILITY TRENCH

GENERAL NOTES FOR ALL DETAILS:

1. Surfacing of paved areas shall comply with street cut Std. Drg. RD302.
2. For pipe installation in embankment areas where the trench method will not be used and the pipe is ≥ 36" diameter, increase dimension "B" to nominal pipe diameter.
3. Pipes over 72" diameter are structures, and are not applicable to this drawing.
4. See Std. Drg. RD336 for tracer wire details (When required).

CALC. BOOK NO. N/A

BASELINE REPORT DATE 18-DEC-2009

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

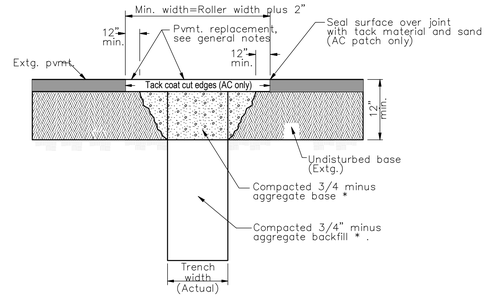
TRENCH BACKFILL, BEDDING, PIPE ZONE AND MULTIPLE INSTALLATIONS

2008

DATE	REVISION DESCRIPTION
05-2009	ADDED AND REVISED NOTES
12-2009	ADDED AND REVISED NOTES

RD300

Effective Date: June 1, 2013 - November 30, 2013



* - COMPACTION NOTE: COMPACT EACH LAYER (SUBGRADE, BASE & SUBBASE) TO NOT LESS THAN 95 PERCENT OF THE MAXIMUM DENSITY DETERMINED IN ACCORDANCE WITH THE FOLLOWING TEST METHOD AASHTO T99 METHOD A. LANDSCAPE AREAS TO NOT LESS THAN 90 PERCENT OF THE MAXIMUM DENSITY DETERMINED IN ACCORDANCE WITH THE FOLLOWING TEST METHOD AASHTO T99 METHOD A.

2 C4 TYPICAL TRENCH SAW-CUT & ASPHALT PATCH

GENERAL NOTES FOR ALL DETAILS:

1. All existing AC or PCC pavement shall be sawcut prior to repaving.
2. Concrete pavement shall be replaced with concrete to a minimum thickness of 6" or to the thickness of removed pavement, whichever is greater.
3. Place AC mix minimum thkn. of 4" or the thkn. of the removed pavement, whichever is greater. Compact as specified.

CALC. BOOK NO. N/A

BASELINE REPORT DATE 12-JUN-2008

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

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OREGON STANDARD DRAWINGS

STREET CUT

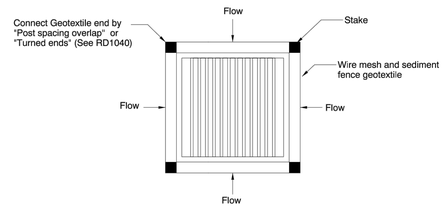
2008

DATE	REVISION DESCRIPTION

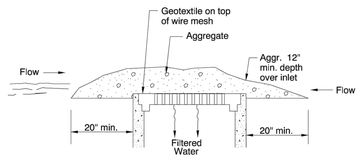
RD302

Effective Date: June 1, 2013 - November 30, 2013

rd1010.dgn 12-31-08



PLAN



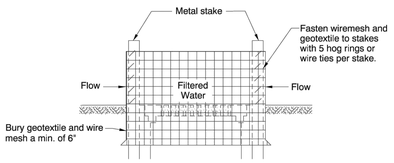
GEOTEXTILE/WIREMESH/AGGREGATE

TYPE 2

Site Conditions Where Types Are Appropriate	TYPE					
	1	2	3	4	5	6
Area Drain, Soil	Y	Y	Y	Y	Y	Y
Area Drain, Pavement	N	Y	Y	Y	Y	N
Ditch Inlet, Soil	Y	N	Y	Y	N	Y
Ditch Inlet, Pavement	N	N	Y	Y	N	N
Grate Inlet Along Curb, Soil	N	Y	Y	Y	Y	Y
Grate Inlet Along Curb, Pavement	N	Y	Y	Y	Y	N
Curb Opening Inlet, Soil	N	N	N	Y	Y	Y
Curb Opening Inlet, Pavement	N	N	N	Y	Y	N

INLET PROTECTION

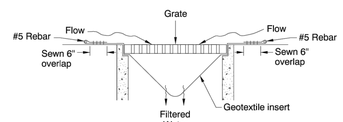
For Inlet Protection Types 4 and 5 see RD1015 and RD1020.



ELEVATION

SEDIMENT FENCE

TYPE 1



PREFABRICATED FILTER INSERT

TYPE 3

Note:
Type 1 Sediment Fence
Type 2 Geotextile/wire mesh/aggregate
Type 3 Prefabricated filter insert
Type 4 Biofilter bags
Type 5 Masonry/aggregate
Type 6 Sod

3 C4 TYPICAL INLET PROTECTION

CALC. BOOK NO.

BASELINE REPORT DATE

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

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OREGON STANDARD DRAWINGS

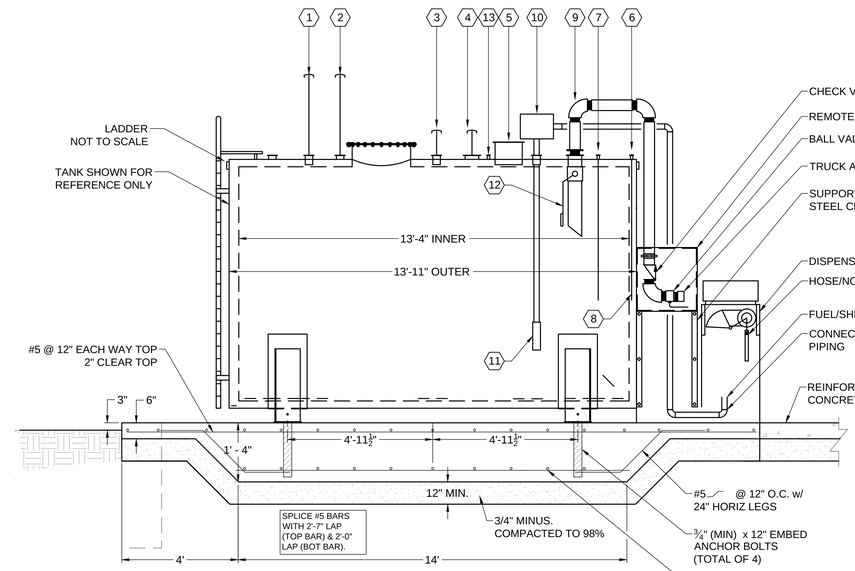
INLET PROTECTION (TYPE 1, 2 & 3)

2008

DATE	REVISION DESCRIPTION

RD1010

Effective Date: June 1, 2013 - November 30, 2013



SECTION D-D'

4 C5 BULK E85 TANK PIPING

NTS

SHEET WORK NOTES

1. PRIMARY TANK NORMAL VENT
2. SECONDARY CONTAINMENT NORMAL VENT
3. PRIMARY TANK EMERGENCY VENT
4. SECONDARY CONTAINMENT EMERGENCY VENT
5. INSPECTION MANHOLE
6. INTERSTITIAL SPACE MONITORING THREADED OPENING
7. TANK LIQUID LEVEL SENSOR CONNECT TO TANK MONITOR SYSTEM
8. INTERSTITIAL SPACE SENSOR CONNECT TO VEEDER-ROOT SYSTEM
9. TANK FILL CONNECTION
10. DISPENSER PUMP CONNECTION SEE FUEL DISPENSER DETAIL 'A' GP-EB-2
11. SUBMERSIBLE TURBINE PUMP
12. OVERFLOW PREVENTION VALVE
13. TANK VACUUM SENSOR CONNECT TO VEEDER-ROOT SYSTEM

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Revisions:	Date

CONSULTANTS:

REGISTERED PROFESSIONAL ENGINEER 8811 OREGON JULY 09, 2010 TODD SWINEHART 10/24/13 EXPIRATION DATE: 06/30/14

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Drawing Title: CIVIL DETAILS & ABOVE GROUND FUEL SYSTEM DETAIL	Project Title: WHITE CITY VA E85 FUELING STATION		Project Number: 692-342 VA701-13-J-0090(WC)
Approved: Project Director: APPROVED-BY-NAME APPROVED-BY-TITLERANK STATION-MNGT	Location: WHITE CITY MEDICAL CENTER, WHITE CITY, OREGON		Building Number: WEST OF 243
	Date: 10/24/13	Checked: TRS	Drawn: RDI
			Drawing Number: C5
			Dwg. 6 of 9

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231